

# Final

## ADWM CARB Working Group Tasks 6, 7, 8 & 9

### **Issue Description:**

Current Arizona law requires cleaner burning gasoline (CBG) essentially year round in Area A (metro-Phoenix area). In the winter (i.e., November 1 – March 31), the CBG specifications are based largely upon California Phase 2 gasoline requirements, with the exception that RVP must be no higher than 9.0 psi, and 10% ethanol must be added. In the summer months, refiners have the choice of supplying either Type I (federal RFG) or Type II (California Phase 2) gasoline. Additionally, between June 1 and September 30, RVP is capped at 7.0 psi.

Effective January 1, 2004, California has transitioned from Phase 2 gasoline to Phase 3 gasoline (CBG3), phasing out MTBE, and instead using ethanol to meet oxygen content requirements. MTBE use is also banned statewide in Arizona effective January 1, 2005. Given this shift from Phase 2 to CBG3 in California, it seems appropriate for ADWM to consider harmonization of Arizona's CBG requirements with California's CBG3 requirements in the interests of improving supply reliability for Area A.

In particular, the Working Group identified four specific elements of Arizona's CBG specifications that present potential barriers to fungibility between California and Area A for consideration of harmonization as follows:

1. Summer RVP Cap: The AZ CBG rules specify a maximum summer RVP of 7.0 psi, while CA CBG3 allows RVPs up to 7.2 psi.
2. Winter RVP Cap: The AZ CBG rules specify a maximum winter season RVP of 9.0 psi, while the RVP of CA CBG3 is governed by ASTM limits, which permit RVPs up to 13.5 psi in the subject months.
3. Winter Oxygen Content: The AZ CBG rules specify a minimum winter season oxygen content of 3.5 wt%, while CA CBG only requires 2.0 wt%.
4. Winter Season Length: The AZ CBG winter oxygenate season is specified to run from October 1 through March 31, or six months, while the winter RVP cap applies for five months, from November 1 through March 31. EPA rules for winter oxygenate programs only require a program length of four months.

**Proposed Solution:** The tasks below were selected to address the issues above.

Task 6. Identify needed information in order to make a recommendation regarding the RVP cap for the summer season;

Task 7. Identify needed information in order to make a recommendation regarding the RVP cap for the winter season;

Task 8. Identify needed information in order to make a recommendation regarding shortening the winter season; and

Task 9. Identify needed information in order to make a recommendation regarding the oxygen content requirement for winter season fuels.